

JULY 26,

Presentation for Neighborhoods and Public Safety Committee

2017



COMMUNICABLE DISEASE PREVENTION AND PUBLIC HEALTH PREPAREDNESS: PROTECTING KANSAS CITY

Lisa Hubbert, Epidemiology Specialist

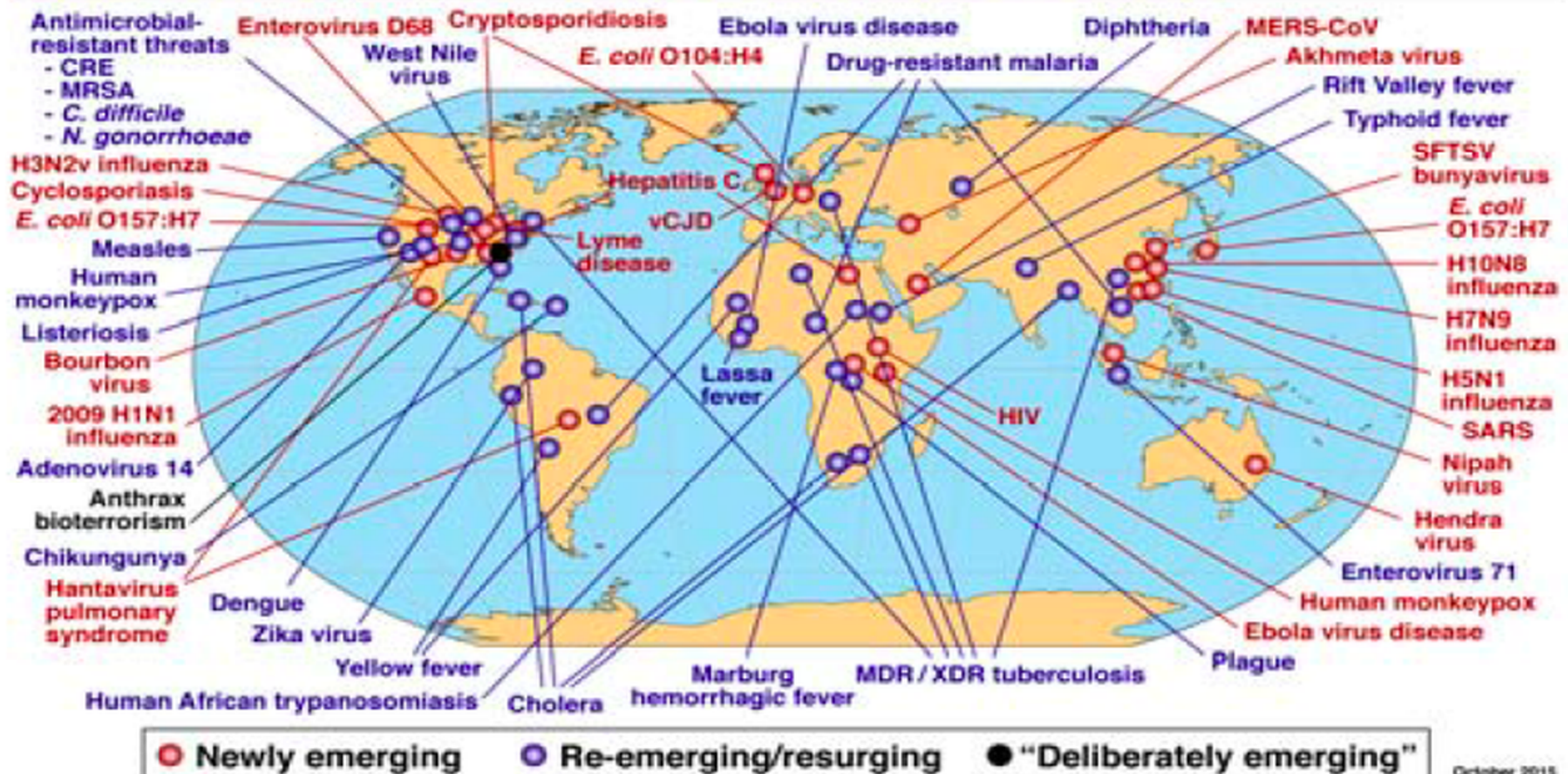
Tim Gridley, Emergency Response Planner



Public Health

Our community is a global community.

Global Examples of Emerging and Re-Emerging Infectious Diseases



Measles

IT ISN'T JUST A LITTLE RASH



Measles can be dangerous, especially for babies and young children.

MEASLES SYMPTOMS TYPICALLY INCLUDE

- High fever (may spike to more than 104° F)
- Cough
- Runny nose
- Red, watery eyes
- Rash breaks out 3-5 days after symptoms begin



Measles Can Be Serious



About 1 out of 4 people who get measles will be hospitalized.



1 out of every 1,000 people with measles will develop brain swelling due to infection (encephalitis), which may lead to brain damage.



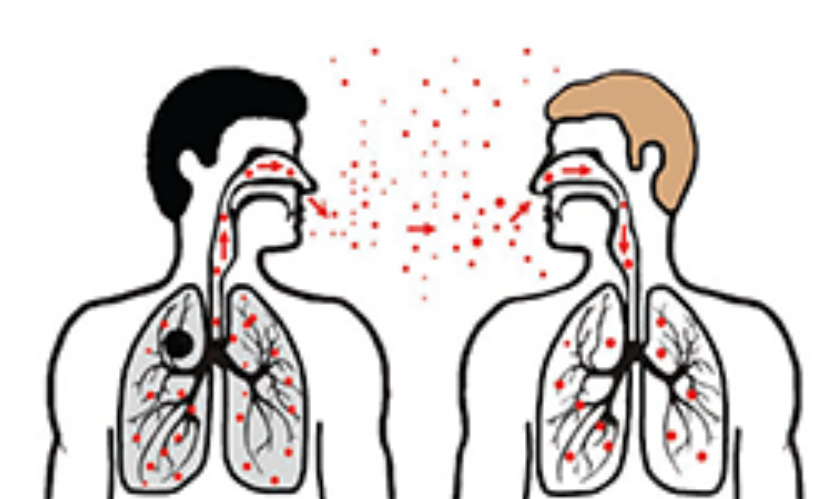
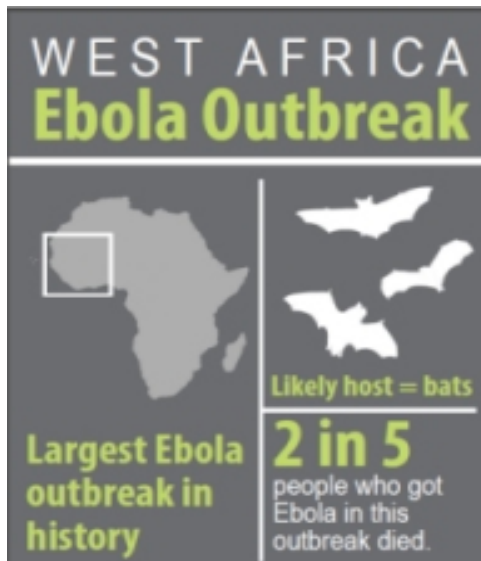
1 or 2 out of 1,000 people with measles will die, even with the best care.

You have the power to protect your child.



Provide your children with **safe** and **long-lasting protection** against measles by making sure they get the **measles-mumps-rubella (MMR) vaccine** according to CDC's recommended immunization schedule.

WWW.CDC.GOV/MEASLES

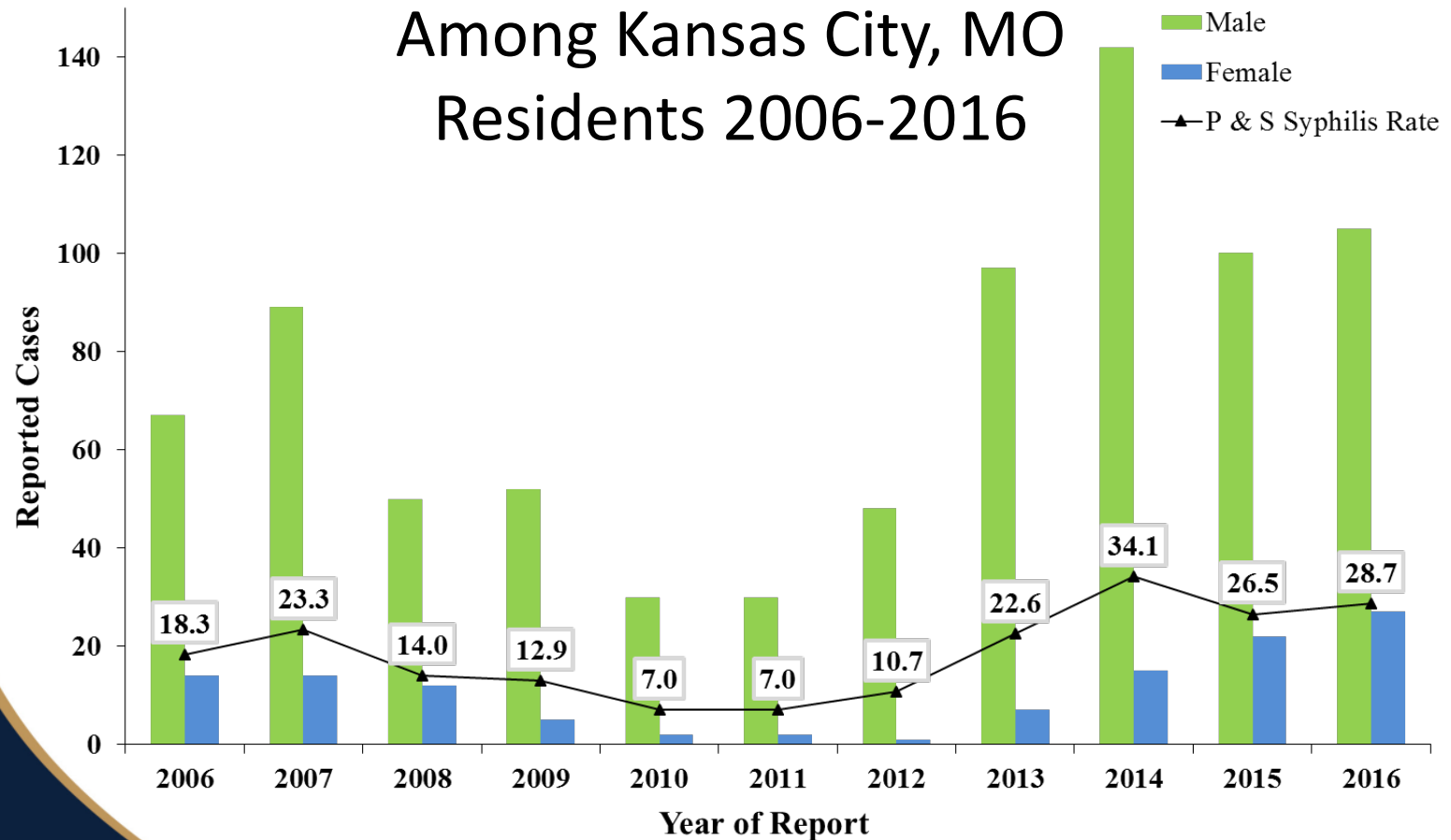


Surveillance

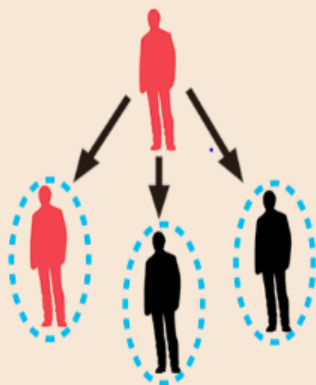
Investigation

Response

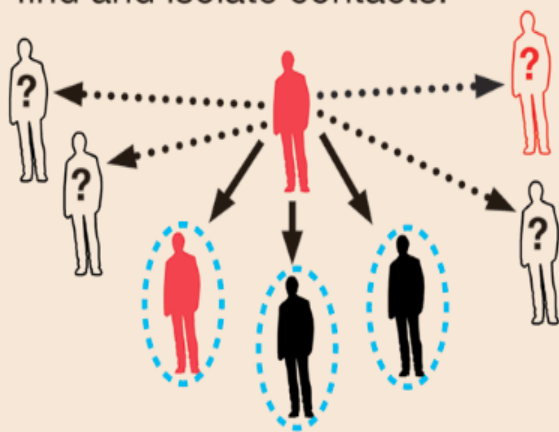
Primary and Secondary Syphilis Cases Among Kansas City, MO Residents 2006-2016



Contact tracing

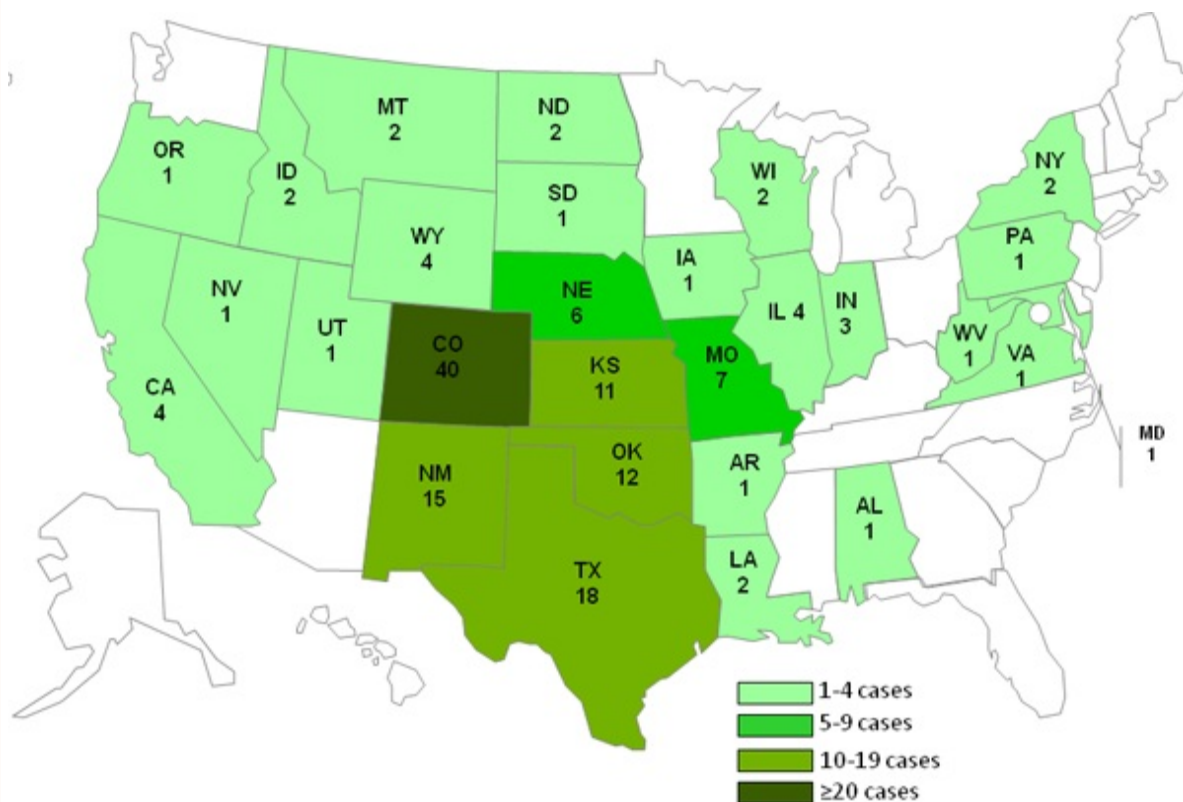


Sick individuals asked to identify contacts. Authorities attempt to find and isolate contacts.



Hard in urban environments with unknown contacts.

Persons infected with an outbreak-associated subtype of *Listeria monocytogenes*, by state (n=147 cases reported to CDC as outbreak-associated)



KANSAS CITY ORDINANCES

Article II, Sec. 34-53, 34-54, 34-55, 34-56, 34-68

Who

What

When

Where

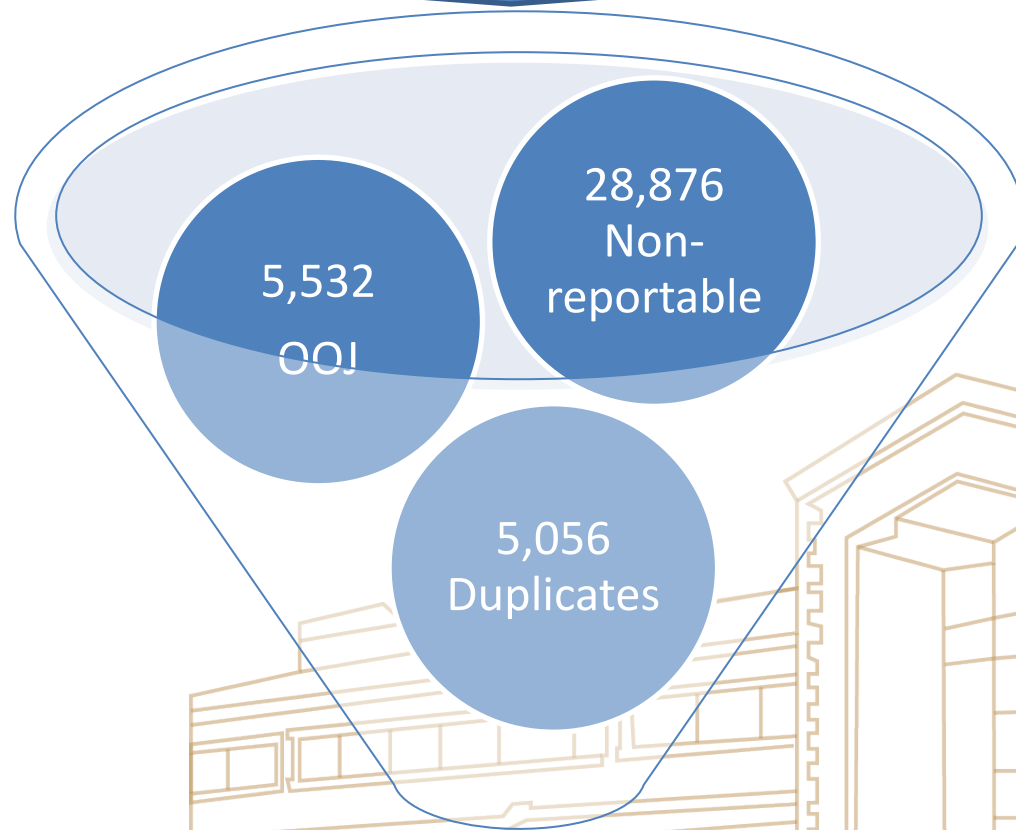
How



Public Health



76,082 TOTAL REPORTS RECEIVED IN 2016

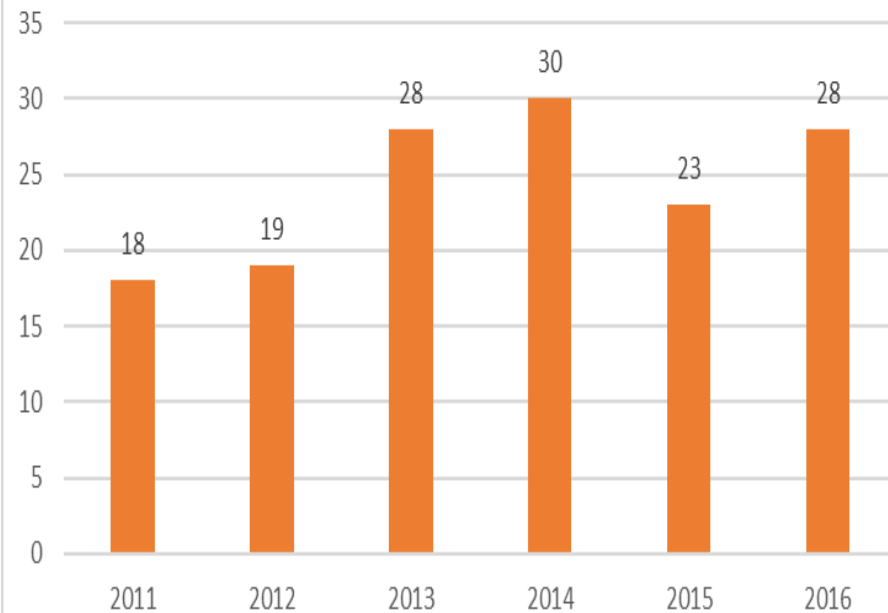


**36,618 TOTAL REPORTS
REQUIRING ACTION**

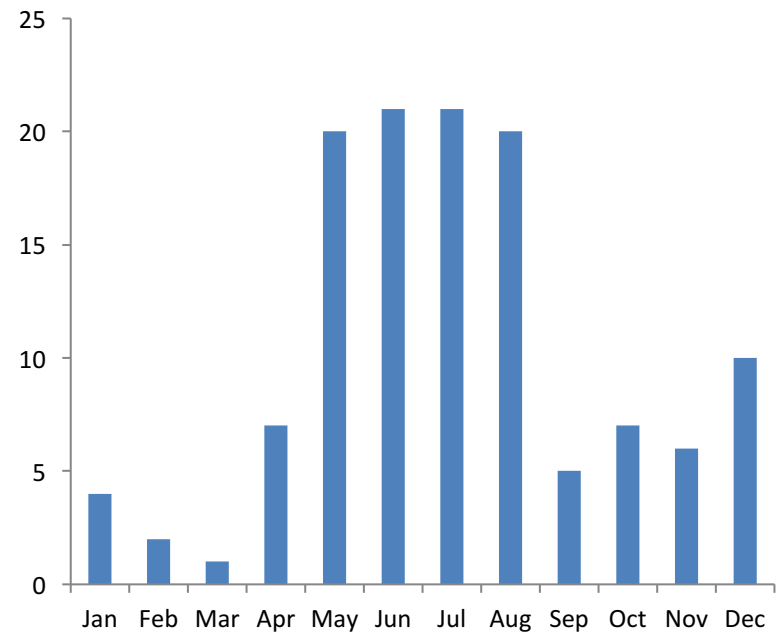
SHARING THE DATA



Health Alert Network (HAN) Notifications
by Calendar Year

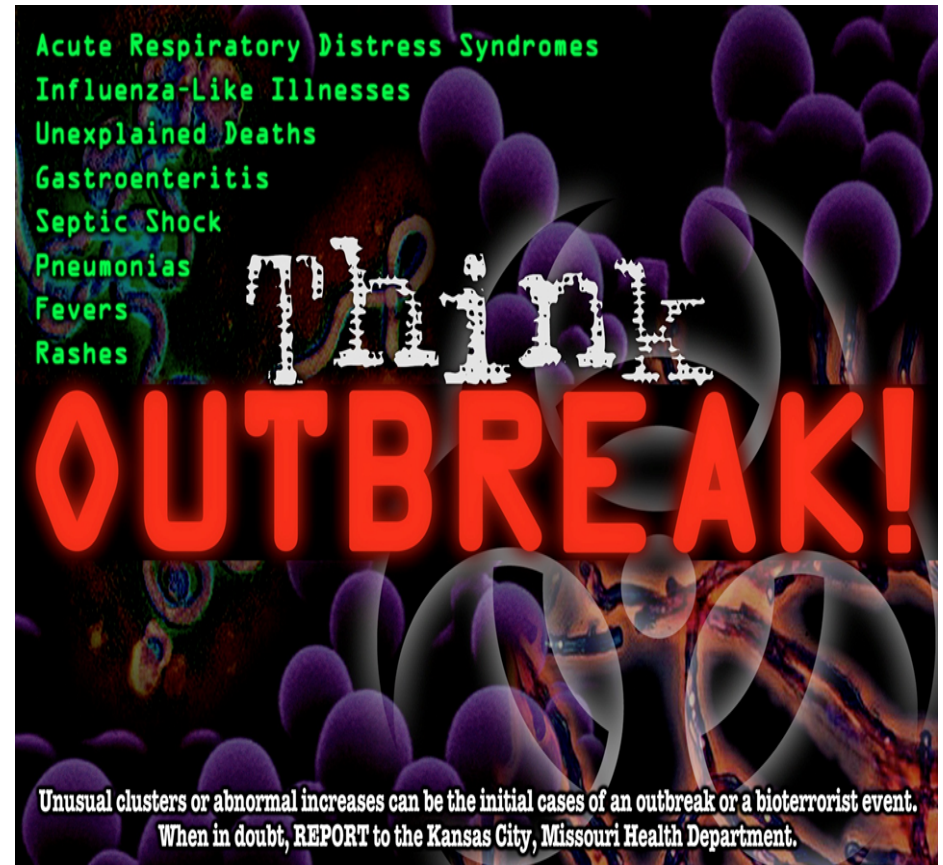


Reported Pertussis Cases by
Month in Kansas City, MO for
2012



HEALTH DEPARTMENT DUTY OFFICER PROGRAM

- Primary Contact
- 24/7/365 Answer Point
- Department Wide Call Distribution
- Performance Based Answering and Assignment Time Criteria
- Syndromic Surveillance Alerting: First Watch



HEALTH DEPARTMENT DUTY OFFICER PROGRAM PRIMARY CONTACT

- Local
 - Hospitals
 - KCFD
 - KCPD
 - Physicians
 - Clinics
 - Water Services
 - Action Center
 - KCI
- State
 - MoDHSS
 - SEMA
 - Dept. of Public Safety
 - LPHAs
- Federal
 - CDC
 - HHS
 - FBI
 - Homeland Security

HEALTH DEPARTMENT DUTY OFFICER PROGRAM

24 / 7 / 365 ANSWER POINT

Summary and Total of Pages by Hour of Day

0:00	13	4.498%	12:00	13	4.498%
1:00	9	3.114%	13:00	17	5.882%
2:00	6	2.076%	14:00	12	4.152%
3:00	7	2.422%	15:00	14	4.844%
4:00	3	1.038%	16:00	13	4.498%
5:00	8	2.768%	17:00	13	4.498%
6:00	6	2.076%	18:00	17	5.882%
7:00	11	3.806%	19:00	26	8.997%
8:00	12	4.152%	20:00	21	7.266%
9:00	9	3.114%	21:00	12	4.152%
10:00	9	3.114%	22:00	16	5.536%
11:00	7	2.422%	23:00	15	5.190%
Sub-Tota	100	34.602%	Sub-Tota	189	65.398%
Totals	289	100.00%			

Summary and Total of Pages by Day of Week (DOW)

Monday (1)	41	14.187%		
Tuesday (2)	44	15.225%		
Wednesday (3)	45	15.571%		
Thursday (4)	40	13.841%		
Friday (5)	37	12.803%		
Saturday (6)	42	14.533%		
Sunday (7)	40	13.841%		
Total	289	100.00%		

HEALTH DEPARTMENT DUTY OFFICER PROGRAM

DEPARTMENT WIDE CALL DISTRIBUTION

- Administration
- Air Quality
- Environmental
- Food
- Public Health Preparedness
- Other

<u>Summary and Total of Pages by Program</u>			
Admin			0.000%
Air			0.000%
Environmental		5	1.730%
Food		37	12.803%
PHP		246	85.121%
Other		1	0.346%
Total		289	100.00%

HEALTH DEPARTMENT DUTY OFFICER PROGRAM PERFORMANCE BASED CRITERIA

90% < 5 mins

90% < 10 mins

- Call Answering Criteria
 - From Time Pager/ Text Received – Return Call is Placed
- Call Assignment Time Criteria
 - From Time Returned Call Completed – Call Relayed to Representative of Program

Initial Call Return Time Compliance			
Goal < 5 min 90% (90% IN 5 MINS)			
Response Time Initial Call			
0:00 - 00:59	38	33.63%	33.63%
1:00 - 1:59	42	37.17%	70.80%
2:00 - 2:59	19	16.81%	87.61%
3:00 - 3:59	5	4.42%	92.04%
4:00 - 4:59	4	3.54%	95.58%
5:00 - 5:59	2	1.77%	97.35%
>6:00	3	2.65%	100.00%
Total	113		

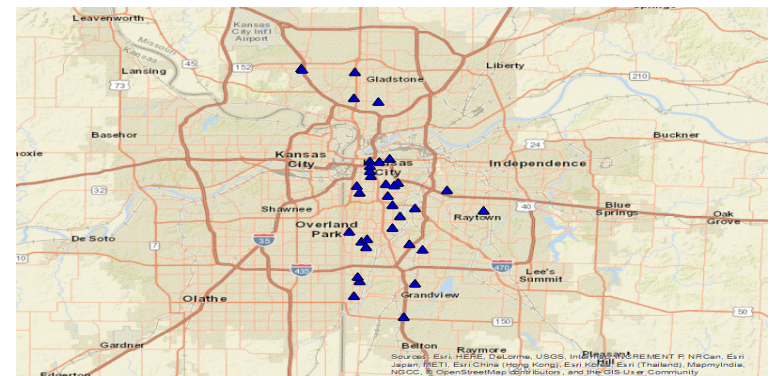
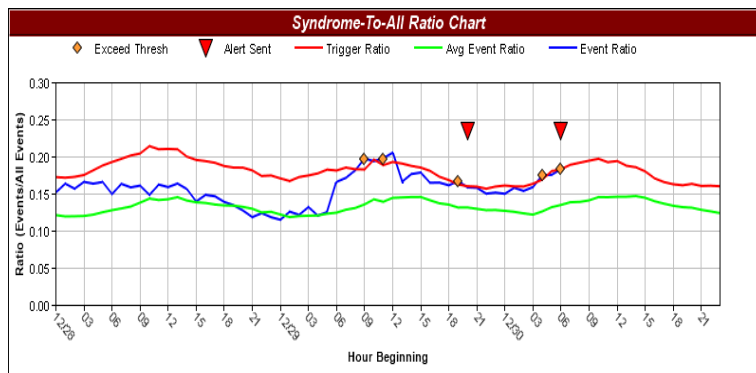
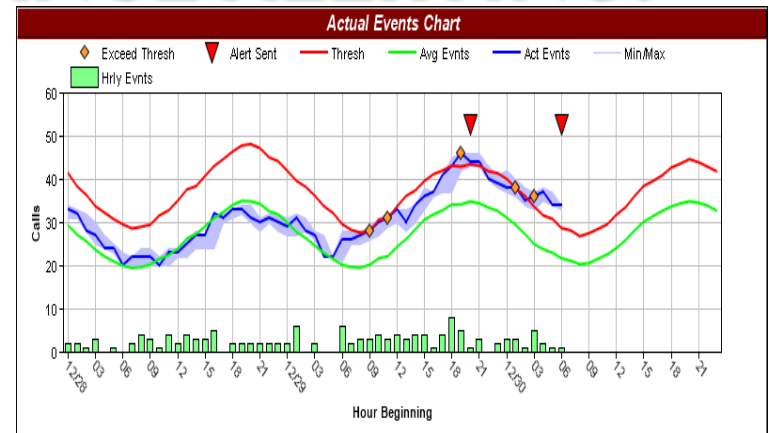
Overall Divisional Response to Duty Officer Calls			
Goal < 10 min 90%			
0:00-5:00	110	97.35%	97.35%
5:01-10:00		0.00%	97.35%
10:01-15:00		0.00%	97.35%
15<	3	2.65%	100.00%
Total	113		

HEALTH DEPARTMENT DUTY OFFICER PROGRAM SYNDROMIC SURVEILLANCE ALERTING:

FIRST WATCH

8 Categories of Calls

- Illness / Death
- Respiratory
- Undefined
- Gastrointestinal
- Neurological
- Bio / Bio x 3
- Opioid Overdose
- Haz-Mat





Public Health

CITY OF KANSAS CITY, MISSOURI

Health Department

QUESTIONS?